

Message Text

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SUBJECT: IAEA NUCLEAR POWER MARKET SURVEY--FUTURE ACTIVITIES

1. SUMMARY. FOLLOWING LARGE NUMBER OF HIGHLY FAVORABLE STATEMENTS AT RECENT GENERAL CONFERENCE RE NUCLEAR POWER MARKET SURVEY, AND RESOLUTION THAT WAS ADOPTED BY GC WHICH ASKS DG TO CONTINUE VARIOUS ASPECTS THIS TYPE WORK, DG REQUESTED O.B. FALLS (PROJECT MANAGER) TO PREPARE RECOMMENDATIONS FOR FUTURE AGENCY ACTIVITIES THIS FIELD. FALLS PREPARED FOLLOWING RECOMMENDATIONS, WHICH WE UNDERSTAND WERE RECENTLY DISCUSSED AND VERY FAVORABLY RECEIVED BY DG AND DDG'S CONCERNED. END SUMMARY.

2. RECOMMENDATIONS:

A. FUTURE ACTIVITIES GROWING OUT OF MARKET SURVEY SHOULD BE REFERRED TO AS "NUCLEAR GENERATION PLANNING" AND NOT RPT NOT "MARKET SURVEY."

B. AGENCY SHOULD MAINTAIN ON ITS STAFF AT ALL TIMES AT LEAST ONE PERSON WITH ELECTRIC UTILITY OPERATING AND/OR PLANNING EXPERIENCE.

C. ARRANGEMENTS SHOULD BE MADE TO ACQUIRE COMPETENCE WITH RESPECT TO SYSTEM STABILITY ANALYSES FROM OUTSIDE SOURCES, SUCH AS ASSOCIATED NUCLEAR SERVICES (U.K.), WHENEVER
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REQUIRED.

D. AGENCY SHOULD MAINTAIN CONTACT WITH SOME OUTSIDE SOURCE OF EXPERTISE IN TECHNICAL AND ECONOMIC EVALUATION OF HYDRO-POWER THAT WOULD BE AVAILABLE AS REQUIRED.

E. AGENCY SHOULD MAINTAIN COMPETENCE IN DETAILED KNOWLEDGE OF WASP COMPUTER PACKAGE AND SHOULD HAVE AVAILABLE FOR ITS USE A LARGER COMPUTER, IF FULL CAPABILITY OF WASP PACKAGE TO BE UTILIZED. SPECIFIC EFFORTS SHOULD BE MADE TO EXPLORE POSSIBILITY OF USE OF LARGER COMPUTER AT LEAST TO EXTENT OF DETERMINING WHETHER OR NOT IT FEASIBLE.

F. COMPLETE DOCUMENTATION OF ENTIRE WASP PROGRAM PACKAGE SHOULD BE EXPEDITED TO EARLY CONCLUSION.

G. ORCOST AND CONCEPT BASIC COST DATA USED TO ESTIMATE CAPITAL COSTS OF NUCLEAR AND CONVENTIONAL THERMAL PLANTS SHOULD BE UPDATED PERIODICALLY.

H. STUDY OF NUCLEAR AND FOSSIL (ESPECIALLY OIL) FUEL COSTS SHOULD BE CONTINUED AND EXPANDED IN ORDER TO MAINTAIN UP-TO-DATE PICTURE OF COMPETITIVE STATUS.

I. MARKET SURVEY, PER SE, SHOULD BE UP-DATED PERIODICALLY.

J. AGENCY SHOULD RESPOND TO ALL REASONABLE REQUESTS FROM ORIGINAL PARTICIPATING COUNTRIES FOR RE-EVALUATION OR ADDITIONAL EVALUATION OF THEIR SYSTEMS.

K. AGENCY SHOULD, UPON REQUEST FROM MEMBER STATES, PERFORM FOR THEM NUCLEAR GENERATION PLANNING STUDY OF MARKET-SURVEY TYPE.

L. RE NUCLEAR GENERATION PLANNING STUDIES, AGENCY SHOULD UNDERTAKE TWO PHASES: (1) MANAGEMENT AND DECISION-MAKING LEVELS OF ELECTRIC UTILITIES SHOULD BECOME INFORMED AS TO METHODOLOGY AND PROCEDURES DEVELOPED DURING MARKET SURVEY; THIS COULD BE DONE AT SERIES OF REGIONAL SEMINARS. (2) ENGINEERING LEVELS IN UTILITIES COULD BE GIVEN ON-THE-JOB TRAINING IN VIENNA IN COLLECTING REQUIRED DATA, OPERATING

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VARIOUS COMPUTER PROGRAMS, AND EVALUATING COMPUTER OUTPUT DATA USING INFORMATION FROM THEIR OWN SYSTEMS. THIS SHOULD BE UNDERTAKEN AS SEQUEL TO MORE GENERAL MANAGEMENT-LEVEL SEMINARS.

M. AGENCY SHOULD UNDERTAKE TO PREPARE WORLDWIDE ENCYCLOPEDIA OF INFORMATION ON NUCLEAR PLANT STAFFING AND TRAINING REQUIREMENTS AND AVAILABILITY OF TRAINING AND EDUCATION

COURSES (SIMILAR TO USAEC DOCUMENT WASH 1130 PUBLISHED IN 1969 CONTAINING U.S. INFORMATION ONLY).

N. AGENCY SHOULD UNDERTAKE SEPARATE IN-DEPTH STUDY OF REQUIREMENTS FOR TRAINING OF PERSONNEL REQUIRED IN HEAD-QUARTERS SUPPORT PERSONNEL CATEGORIES THAT WILL BE NEEDED WHEN NUCLEAR POWER PLANTS IDENTIFIED IN MARKET SURVEY MATERIALIZE.

E. COPIES OF RECOMMENDATIONS AND MORE ELABORATE PAPER PREPARED BY FALLS POUCH AMMONS, AEC, AND AMB TAPE.

4. COMMENT. MISSION BELIEVES IT IS CLEAR THAT SOME TYPE OF AGENCY FOLLOW-UP ACTIVITIES TO MARKET SURVEY WILL BE INCLUDED IN AGENCY'S PROGRAM FOR FUTURE YEARS. THIS CONNECTION, DG HAS DECIDED THAT IT IS ESSENTIAL TO HAVE JAMES LANE ON AGENCY STAFF ON MORE LONG-TERM BASIS THAN HAS PREVIOUSLY BEEN ARRANGED, IN ORDER TO ASSURE THAT THESE ACTIVITIES ARE PROPERLY CARRIED OUT. STEPS ARE UNDERWAY TO ACCOMPLISH THIS. (SEE SEPTTEL). RE PARA 2E ABOVE, SHOULD BE NOTED THAT FRG REP IN GC STATEMENT OFFERED USE OF LARGE COMPUTER FACILITIES FOR FUTURE MARKET SURVEY-TYPE ACTIVITIES. MISSION IS ENCOURAGED AT DIRECTION AGENCY SEEMS TO BE TAKING, BUT SUGGESTS IT MIGHT ALSO BE DESIRABLE TO FOLLOW UP OURSELVES WITH SOME IDEAS TO ASSIST AGENCY IN DRAFTING 1975-80 PROGRAM AND BUDGET DOCUMENT WHICH NOW IN PREPARATION. THIS CONNECTION, WE ARE FORWARDING PROPOSED DRAFT LETTER TO AMB TAPE WHICH COULD BE USED FOR THIS PURPOSE. END COMMENT. PORTER

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